

CERTIFICATE OF ANALYSIS

#SM1670 NoLimits™ Custom 1000 bp DNA Fragment

Lot: 0200
Quantity: 2mg
Concentration (A₂₆₀ nm): 0.50mg/ml ± 4%
Assay Date: 08.2005

Store at -20°C

QUALITY CONTROL DATA

Specification	Range / Value
DNA concentration (A ₂₆₀ nm), 0.48-0.52 mg/ml	0.50
Appearance	clear, colorless solution (0.22µm filtrated in TE buffer (pH 7.6))
Absorption ratio	
A ₂₆₀ /A ₂₃₀ , 2.1-2.4	2.31
A ₂₆₀ /A ₂₈₀ , 1.8-1.98	1.90
Gel electrophoresis fragment pattern with 0.5µg	unique fragment, no smearing
DNA 7500 Assay on 2100 Bioanalyzer fragment pattern with 5ng	sharp peak of DNA fragment, no additional peaks
DNase activity fragment pattern with 0.5µg	no smearing after incubation for 16 hours at 37°C in the buffer (50mM Tris-HCl (pH 7.6), 10mM MgCl ₂ , 10mM NaCl)

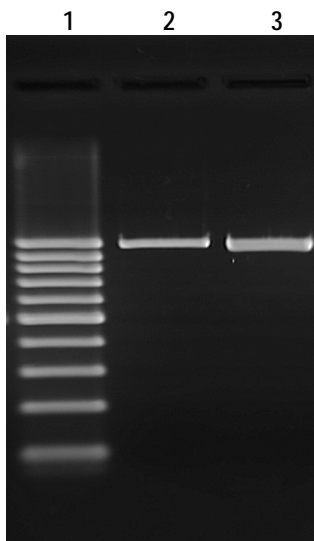


Fig.1. Analysis on agarose gel

1 – GeneRuler™ 100bp DNA Ladder – 0.5µg
2 – NoLimits™ Custom 1000bp DNA Fragment – 0.25µg
3 – NoLimits™ Custom 1000bp DNA Fragment – 0.5µg

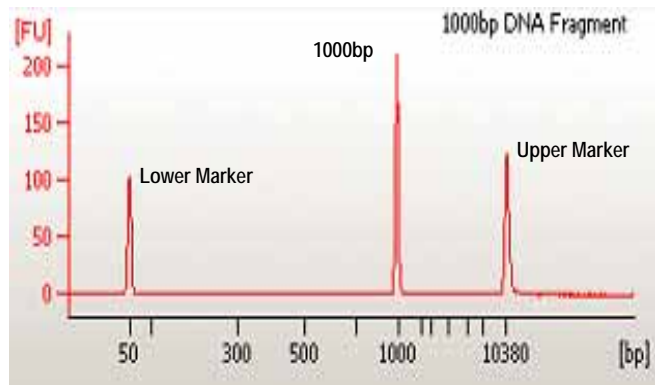



Fig.2. Analysis of NoLimits™ Custom 1000bp DNA Fragment on Agilent Bioanalyzer 2100, DNA 7500 Assay.

Quality authorized by:  Jurgita Žilinskiene

PRODUCT USE LIMITATION

This Fermentas product has been developed for research purposes and *in vitro* use only. This product has not been tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.